

August 2022

Skill Enhancement Schedule

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	1	2	3	4	5	6
	Scaffold Refresher; 4:30-8:30, 8/1-8/2					
7	8	9	10	11	12	13
	Rough Terrain Fork; 4:30-8:30, 8/8-8/9					
14	15	16	17	18	19	20
21	22	23	24	25	26	27
	OSHA 10 & Ceramic Tile; 4:30-8:30, 8/22-8/23					
28	29	30	31	1	2	3
	Acoustical Ceilings; 4:30-8:30, 8/29-8/30					

September 2022

Skill Enhancement Schedule

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	31	1	2	3
4	5	6	7	8	9	10
	Labor Day					
11	12	13	14	15	16	17
	Electronic Print Reading; 4:30-8:30, 9/12-9/13					
18	19	20	21	22	23	24
25	26	27	28	29	30	1
	Flash Cove Vinyl & Welding; 4:30-8:30, 9/26-9/27					

October 2022

Skill Enhancement Schedule

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
25	26	27	28	29	30	1
2	3	4	5	6	7	8
Solid Surface; 4:30-8:30, 10/3-10/5						
9	10	11	12	13	14	15
Rough Terrain Forklift; 4:30-8:30, 10/10-10/11						
16	17	18	19	20	21	22
First Aid/CPR/AED & Hardwood; 4:30-8:30, 10/17-10/18						
23	24	25	26	27	28	29

November 2022

Skill Enhancement Schedule

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	1	2	3	4	5
	MEWPS; 4:30-8:30, 10/31-11/1					
6	7	8	9	10	11	12
	Rigging Refresher; 4:30-8:30, 11/7-11/8					
13	14	15	16	17	18	19
	Scaffold Refresher; 4:30-8:30, 11/14-11/15					
20	21	22	23	24	25	26
				Thanksgiving Day		
27	28	29	30	1	2	3
	Welding & Vinyl Heat Welding; 4:30-8:30, 11/21-11/22					

December 2022

Skill Enhancement Schedule

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	1	2	3
4	5	6	7	8	9	10
	MEWPS; 4:30-8:30, 12/5-12/6					
11	12	13	14	15	16	17
	First Aid, CPR AED; 4:30-8:30, 12/12-					
18	19	20	21	22	23	24
	Stretch in Carpet; 4:30-8:30, 12/19-12/20					Christmas Day
25	26	27	28	29	30	31

Des Moines Skill Enhancement Classes

Advanced Metal Stud Framing:

24 hour course. This class covers radius, sloped, light cove and more intricate framing techniques. Also includes an introduction to track bender.

Prerequisite: Minimum 3 year

2022 course offered: upon request

American Red Cross CPR/First

Aid/AED

8 hour course. This class provides a First Aid/CPR/AED qualification

Prerequisite: None

Expiration: 2 years

2022 course offered: 1/3, 2/7, 3/7, 4/11, 5/23, 6/27, 10/17, 12/12

Architectual Sheet Metal:

8 hour course.

2022 course offered: upon request

Armstrong Wall and Ceiling System:

12 hour course. This class works with quick stick, soffit gigs, radius domes, drywall grid and suspended light cove framing.

Prerequisite: None

2022 course offered: upon request

Blueprint Reading-Basic

8 hour course. This class covers general procedures, basic skills, and the necessary tools and materials needed to lay out a building. The architectural lines and symbols shown on site plan prints which are necessary to facilitate layout are also discussed.

Prerequisite: None

Expiration: None

2022 course offered: upon request

Blueprint Reading-Advanced

8 hour course. A more in depth look at prints, how to do advanced layout, possible intro to electronic print reading, and how to transfer information to shop floor.

Prerequisite: Some experience with blueprints

Expiration: None

2022 course offered: upon request

Construction Master Pro

8 hour class. The Construction Master Pro teaches the use of the calculator to solve practically any problem involving measurements and can be used to save time and prevent errors. During the class you will perform common building projects such as estimating concrete volume, squaring-up foundations, framing roofs, ordering lumber, and many other projects. Calculator and

2022 course offered:

Confined Space

16 hour course. This class deals with the characteristics of confined space and requirements for a permit-required confined space program. Atmospheric hazards are described along with the methods of and time requirements for ventilation; and procedures for monitoring air quality. Prerequisite:

None

Expiration: None

2022 course offered:

Confined Space Refresher

8 hour course. This class refreshes Confined Space

Prerequisite: Confined Space

Expiration: None

2022 course offered:

Construction Math/Radius

8 hour course. This class covers radius math, how to layout radius without a center point. Also covers elliptical and octagon layout.

Prerequisite: Math for the Trades

2022 course offered: upon request

Construction Fall Protection

8 hour course. This Construction Fall Protection class addresses safety requirements when working from an elevated area, and covers how to recognize and properly address hazards in our industry.

Prerequisite: None

Expiration: None

2022 course offered:

Door Hardware I:

24 hour course. The classroom will cover the order of installation, different types of hardware, as well NFPA and ANSI codes. On the floor you will layout, prep, and install cylinder and mortise locks. You will also install a rim exit device, trim, and closer.

2022 course offered:

Des Moines Skill Enhancement Classes

Door Hardware 2:

32 hour course. The classroom will be a review from Door Hardware 1 as well as go over surface vertical rod adjustment and dead latch. The shop projects will consist of 4 different exit devices (9927, 22 ALK, 3347, 9975), 3 different closers (4041 XP, 4020, 4110) one with drop plate mount, coordinator, overhead stop, and talk about 9947 CVR and 9950 WDC. There will also be discussion about other double door hardware.

Prerequisite: Take and score a 90% or higher in Door Hardware 1

2022 course offered:

Door Hardware: Maintenance and Troubleshooting

16 hour course. Maintenance: classroom with PPT and scenarios, a walk through most common issues with doors and hardware (i.e hinge bind, stripped screws, closer leaks and readjustment, latch adjustments, sticky exit devices, drooping levers, etc) and affordable ways to repair them without cost of replacement, preventative maintenance to avoid the cost of replacement, help design a basic maintenance schedule, change handing of hardware and hinge location for temporary door use with previously used components.

Troubleshooting: hands on experience of actual created scenarios with hardware
Prerequisite: Journey level carpenter with door hardware field experience or **Door Hardware 1 and Door Hardware 2**

2022 course offered:

Firestop Qualification:

8 hours course. This class explains firestop systems and how they are used to control and contain a fire. The class also discusses building codes and how they relate to firestop installation.

2022 course offered: upon request

Hazard Communication and Chemical Safety

8 hour course. This class is a revision of the OSHA manual, Material Safety Data Sheets. The focus in this revision is broader: chemical hazards and safety precautions are thoroughly discussed along with hazard recognition and chemical hazard protection.

Prerequisite: None

Expiration: None

2022 course offered: upon request

Door Hardware: Allegion Certified Installer

28 hour course. 4 hours of instruction, 24 hours of certification (6 - 4 hour modules). **Passing requirements:** complete each module in allotted 4 hour timeframe, no assistance from the instructor (questions or suggestions), 100% proper installation and operation
Prerequisite: Take and score 90% or higher in both Door Hardware 1 and 2

2022 course offered: upon request

Firestop Qualification:

8 hours course. This class explains firestop systems and how they are used to control and contain a fire. The class also discusses building codes and how they relate to firestop installation.

2022 course offered:

Hazard Communication and Chemical Safety

8 hour course. This class is a revision of the OSHA manual, Material Safety Data Sheets. The focus in this revision is broader: chemical hazards and safety

2022 course offered:

Hilti PLT 300 Layout:

8 hour course. Digital blueprint reading and layout procedures.

2022 course offered: upon request

Des Moines Skill Enhancement Classes

ICRA Best Practice in Health Care Construction

24 hour course. This class promotes the importance of infection control and outlines protection methods and safe work practices for those who perform construction work in these facilities.

Prerequisite: None

Expiration: 4 years

2022 course offered:

ICRA Best Practice in Health Care Construction Refresher

8 hour course. This class refreshes/reviews the 24 hour ICRA course.

Prerequisite: ICRA Best Practice in Health Care Construction

Expiration: 4 years

2022 course offered: 2/28

Intro to Multimeter

4 hour course. Introduces members to the basic functions and use of a multimeter. Included also in this class will be electrical safety and general knowledge information on measuring for volts, amps, continuity, etc.

2022 course offered:

Intro to Reciprocating Compressor

16 hour course. This class will describe the basic considerations when installing, maintaining, or servicing reciprocating compressors. Included is safety, disassembly/assembly, as found/as left measurement readings, and maintenance.

2022 course offered:

Intro to Welding

8 hour course. Safety, terminology and welding process introduction for members with little or no welding experience.

2022 course offered:

i-Pad Basics and Intro to Bluebeam

8 hour course. This class introduces you to the i-pad and its basic functions. The second night will give you a basic overview of the Bluebeam application, screen design, basic tools and markup features.

2022 course offered: upon request

Lathing-Basic

12 hour course. This class includes information on and procedures for framing suspended ceilings, installing lathing trims, and installing lath on walls and ceilings.

Prerequisite: None

Expiration: None

2022 course offered: upon request

Lean Construction I

8 hr course. 2 four hour class modules that focus on production planning; uses Last Planner System

Prerequisite: None

Expiration: None

2022 course offered: upon request

Lean Construction II

8 hr course. Focuses on Last Planner System. Discussion topics include: What does it mean to be a Superintendent on a lean project? What is the foreman's role.

2022 course offered: upon request

Math for the Trades

8 hour course. This class is a basic treatment of trade math beginning with general math, fractions, and decimals.

Prerequisite: None

Expiration: None

2022 course offered: upon request

Des Moines Skill Enhancement Classes

MSHA

24 hour course. This course covers OSHA regulations for mine safety.
Prerequisite: None
Expiration: 1 year, then refresh annually

2022 course offered: upon request

MEWP's

8 hour course. Formally known as aerial lift, covers safety issues and guidelines for mobile elevating work platforms that can be driven in an extended position and moves both inside and outside tipping lines. Class includes classroom theory, 50 question exam, and the required practical for Group A, Type 3 and Group B, Type 3. This class is required for anyone who was not previously aerial lift certified, or those members who do not have aerial lift certification on their TVC.

2022 course offered: 1/10, 1/14, 2/14, 7/11, 10/31

MEWP's-Supp

6 hour course. Formally known as aerial lift, covers safety issues and guidelines for mobile elevating work platforms that can be driven in an extended position and moves both inside and outside tipping lines. Class includes classroom theory, 30 question exam, and the required practical for Group A, Type 3 and Group B, Type 3. This class is for members who are currently certified and it appears on their TVC.

2022 course offered: upon request

MSHA Refresher

8 hour course. This course reviews/refreshes OSHA regulations for mine safety.
Prerequisite: MSHA 24
Expiration: refresh annually

2022 course offered: upon request

OSHA 10

10 hour course. This course covers a basic OSHA overview, rights and responsibilities of employer and employee
Prerequisite: None
Expiration: None

2022 course offered: 8/22, 5/16, 3/28

OSHA 30

30 hour course. This course covers more in depth examination of OSHA standards, rights and responsibilities of employer and employee
Prerequisite: None
Expiration: None

2022 course offered:

PITO Industrial

8 hour course. This class introduces many kinds of lift trucks—their components and applications. The text focuses on industrial lift trucks.

2022 course offered: 2/21

PITO Rough Terrain

8 hour course. This class introduces many kinds of lift trucks—their components and applications. The text focuses on rough terrain lift trucks.

2022 course offered: 10/10, 8/8, 4/18,

PRO 10

10 hour course. Professionalism, communication, diversity, Union history, safety, and "Big Picture".

2022 course offered:

Rigging

40 hour course. This class introduces and supports the hands-on portion of the Rigging and Signaling course. An introductory chapter on the history of rigging is followed by chapters on safety, wire rope, chain construction, slings, hardware, and knot-tying techniques.
Prerequisite: None
Expiration: 4 years

2022 course offered:

Des Moines Skill Enhancement Classes

Rigging Refresher

16 hour course. This class refreshes/reviews 40 hour Rigging Course

Prerequisite: Rigging 40 hr.
Expiration: 4 years

2022 course offered: 6/20

Scaffold 40

40 hour course. This class provides clarification of the roles of a competent person and a qualified person and presents training requirements for erectors, dismantlers, and users. Information and guidance are given for calculating capacity and contributory leg loads.

Prerequisite: None
Expiration: 4 years

2022 course offered:

Scaffold 40 Refresher

8 hour course. This class refreshes/reviews scaffold 40 hour class

Prerequisite: Scaffold 40
Expiration: 4 years

2022 course offered: 11/14, 8/1

Silica Awareness

2 hours course. This class covers understanding the hazards of silica, with an overview of OSHA Construction silica final rule.

2022 course offered: upon request

Stepping Up to Foreman

8 hour course. This class allows participants to learn about the responsibilities of UBC Foreman. The skills required of foremen, such as communication, job planning, scheduling, completing reports, and managing a crew are all discussed.

Prerequisite: None
Expiration: None

2022 course offered: upon request

Solid Surface

16 hour course. The Solid Surfaces class provides in-depth instruction in the technical aspects of working with solid surface material. The course covers epoxy, joining solid surfaces and proper surface finishing.

Prerequisite: Minimum 3rd year apprentice or take the required safety class

Expiration: 4 years

2022 course offered: 1/31, 10/3

Spectra Precision QML-800

8 hour course. Digital blueprint reading and layout procedures.

2022 course offered: upon request

Total Station I and II

8 hour course. Covers a combination of Total Station I and II. It will begin with a review of the fundamental workings of the total station and how building quadrants are established. The second day will cover the capabilities and functions of the total station layout equipment.

2022 course offered: 5/9

Trade Show Installation & Dismantling

24 hr course. This class focuses on procedures and safety precautions for trade shows and special events.

Prerequisite: Must have 3 of the following: Aerial Lift, First Aid/CPR/AED, OSHA, Scaffold, PITO

2022 course offered: upon request

Welding Enhancement - 8 hour

8 hour course. Self-paced opportunity to practice welding. SMAW, FCAW and GTAW available.

Class will start promptly at 7:30am
Prerequisite: Intro to Welding

2022 course offered: 11/28, 9/26, 7/18, 5/2

Welding Enhancement - 16 hour

16 hour course. Self-paced opportunity to practice welding. SMAW, FCAW and GTAW available.

Class will start promptly at 4:30pm
Prerequisite: Intro to Welding

Welding for Steel Stud Ind - 16 hour

16 hour course. Members can practice light gauge sheet metal welding in both SMAW and FCAW weld processed.

Class will start promptly at 4:30pm
Recommended prerequisite: Intro to

Carpenters Training Institute
Des Moines Campus
515.265.3467

Des Moines Skill Enhancement Classes

2022 course offered:

2022 course offered: *upon request*